

0500

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/576,778

DATE: 05/31/2000
TIME: 11:12:35

Input Set: A:\Seqlist.txt
Output Set: N:\CRF3\05312000\I576778.raw

ENTERED

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4 -110- APPLICANT: Schueler, Martin
5 -111- Bjornvad, Mads Eskeland
6 -120- TITLE OF INVENTION: Family 9 Endo-Reta-1.1-Glucanases
7 -130- FILE REFERENCE: 5543,000-US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/576,778
C--> 12 <141> CURRENT FILING DATE: 2000-05-23
13 -150- PRIOR APPLICATION NUMBER: 60/141,291
14 -151- PRIOR FILING DATE: 1999-06-07
15 -152- PRIOR APPLICATION NUMBER: PA 1999 06111
16 -153- PRIOR FILING DATE: 1999-05-26
17 -160- NUMBER OF SEQ ID NOS: 10
18 -170- SOFTWARE: FastSeq for Windows Version 1.0
21 -210- SEQ ID NO: 1
22 -211- LENGTH: 12
23 -212- TYPE: DNA
24 -213- ORGANISM: Bacillus Licheniformis
25 -100- SEQUENCE: 1
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27 -210- SEQ ID NO: 2
28 -211- LENGTH: 61
29 -212- TYPE: DNA
30 -213- ORGANISM: Bacillus Licheniformis
31 -100- SEQUENCE: 2
32 atgcgcgggg aactctaat aactaccaa cttctggac ttcagaatga ggcac aaga 60
33 aat 64
34 -210- SEQ ID NO: 3
35 -211- LENGTH: 61
36 -212- TYPE: DNA
37 -213- ORGANISM: Bacillus Licheniformis
38 -100- SEQUENCE: 3
39 atgcgcgggc gctatcaga taccagctt gctca ctgc aactgagga ggcagaaga 60
40 61
41 -210- SEQ ID NO: 4
42 -211- LENGTH: 35
43 -212- TYPE: DNA
44 -213- ORGANISM: Bacillus Licheniformis
45 -100- SEQUENCE: 4
46 atcggagctc tatcaattg taactgtatc tggc 35
47 -210- SEQ ID NO: 5
48 -211- LENGTH: 35
49 -212- TYPE: DNA
50 -213- ORGANISM: Bacillus Licheniformis
51 -100- SEQUENCE: 5
52 aacagctgat cagacgat cttttagctt ggcac 35
53 -210- SEQ ID NO: 6
54 -211- LENGTH: 37
55 -212- TYPE: DNA

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/576,778

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61 210 ORGANISM: Bacillus licheniformis
62 100 SEQUENCE: 6
63 aatgcaagcc gcaacacatc aataggga aataga
64 210 SEQ ID NO: 7
65 210 LENGTH: 13
66 210 TYPE: DNA
67 210 ORGANISM: Bacillus licheniformis
68 100 SEQUENCE: 7
69 aatcattctc caaccgggc aactctctgt caaataatc ctc
70 210 SEQ ID NO: 8
71 210 LENGTH: 18
72 210 TYPE: DNA
73 210 ORGANISM: Bacillus licheniformis
74 100 SEQUENCE: 8
75 caaataatag caaccgctag taaccgggt catctccg
76 210 SEQ ID NO: 9
77 210 LENGTH: 1941
78 210 TYPE: DNA
79 210 ORGANISM: Bacillus licheniformis
80 100 SEQUENCE: 9
81 atgaagggc ttatttggc wcttttagc atcttctctc taacatagc atcttttca
82 100 aaaaagacc atgcaagctc taatgaagc tatctctca attatgctc actatgcaa
83 100 aattttttt tttttatga aatcagggc taagaagaa ttccgaaat aagcagctc
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87 100 caaccgctag caataattaa atggagaca aactccttc ttaagacca taaggtcat
88 100 tatgaattt caaccaggt caaatatgc gctctagac aatataatg aatccggc
89 100 caaataatc caatgaagc ccttactat aatatcata caactcttc aatctcagc
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91 100 tcttcttact ctgaaaaat actgctcat gcaaatgat tatatgatt taacgagc
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93 100 agtatataa atgaactgac atggagact ctctgctct acttggcaa aagaagaaa
94 100 caatatttg ataaagcct tcttgcctc taagattga aatctccg aactggcct
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103 100 tctgaccaa atgacataa caatagtc caatagtc caatagtc caatagtc
104 100 gctttttac caaacgtg caaatgtt caactgttc aaaaagcca tgttccgct
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108 100 caagatatt cctcggaaa tataaadtc aagcggct ataacgaa caatctca
109 100 taagagctg agcggcatg cgtttcaaa caatattc atacagaa caatctca

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RAW SEQUENCE LISTING

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174 Gly Tyr Ser His Asn Gly Ser Ile Glu Ala Ile Thr Tyr Thr Pro Gly
175          325          330          335
176 Gly Leu Ala Trp Leu Gln Gln Trp Gly Ser Leu Ala Tyr Ala Ser Asn
177          340          345          350
178 Ala Ala Phe Leu Ala Phe Val Tyr Ser Asp Trp Val Asp Thr Gln Lys
179          355          360          365
180 Ala Lys Ala Tyr Arg Asp Phe Ala Val Arg Gln Thr Gln Tyr Met Leu
181          370          375          380
182 Gly Asp Asn Pro Gln Gln Arg Ser Phe Val Val Gly Tyr Gly Lys Asn
183          385          390          395
184 Pro Pro Lys His Pro His His Arg Thr Ala His Gly Ser Trp Ala Asn
185          400          405          410
186 Gln Met Asn Val Pro Gln Asn His Arg His Thr Leu Tyr Gly Ala Leu
187          415          420          425
188 Val Gly Gly Pro Gly Arg Asp Asp Ser Tyr Arg Asp Asp Ile Thr Asp
189          430          435          440
190 Tyr Ala Ser Asn Glu Val Ala Ile Asp Tyr Asn Ala Ala Phe Thr Gly
191          445          450          455
192 Asn Val Ala Lys Met Phe Gln Leu Phe Gly Lys Gly His Val Pro Leu
193          460          465          470
194 Pro Asp Phe Pro Gln Lys Gln Thr Pro Gln Asp Gln Tyr Phe Ala Gln
195          475          480          485
196 Ala Ser Ile Asn Ser Ser Gly Asn Ser Tyr Thr Gln Ile Arg Ala Gln
197          490          495          500
198 Leu Asn Asn Arg Ser Gly Tyr Pro Ala Lys Lys Thr Asp Gln Leu Ser
199          505          510          515
200 Phe Arg Tyr Tyr Val Asp Leu Thr Gln Ala Val Glu Ala Gly Tyr Ser
201          520          525          530
202 Ala Gln Asp Ile Lys Val Thr Ala Gly Tyr Asn Glu Gly Ala Ser Val
203          535          540          545
204 Ser Gln Leu Lys Pro His Asp Ala Ser Lys His Ile Tyr Tyr Thr Glu
205          550          555          560
206 Val Ser Phe Ser Gly Val Leu Ile Tyr Pro Gly Gly Gln Ser Ala His
207          565          570          575
208 Tyr Tyr Gln Val Gln Phe Arg Leu Ser Ala Pro Asp Gly Thr Ser Phe
209          580          585          590
210 Tyr Asn Pro Gln Asn Asp His Ser Tyr Gln Gly Leu Ser His Ala Leu
211          595          600          605
212 Leu Lys Thr Arg Tyr Ile Pro Val Tyr Asp Asp Gly Arg Leu Val Phe
213          610          615          620
214 Gly His Gln Pro Gly Tyr
215          625

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VERIFICATION SUMMARY

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L112 M100 C: Current Application Number differs. Replaced Current Application No
L112 M101 C: Current Filing Date differs. Replaced Current Filing Date